

AMENDMENTS TO THE SPECIFICATION

At page 1, please amend the heading at line 6 as follows:

Description:

At page 4, please amend the paragraph beginning at line 18 as follows:

~~The German patent application~~ DE 102 05 120 A1 describes a procedure and an apparatus for the estimation of the battery internal resistance. The battery is excited by the existing high frequency current fluctuations, and the resulting voltage is measured. The battery internal resistance is determined by calculation of the battery power.

At page 4, please amend the paragraph beginning at line 24 as follows:

~~The German patent application~~ DE 197 25 204 C1 describes a procedure and a device for the determination of state-of-charge of a lithium-battery for remote control application. The procedure is based on the simultaneous measurement of the cell internal resistance and the voltage at the poles.

At page 5, please amend the heading at line 5 as follows:

General Description of the Invention

At page 5, please amend the paragraph beginning at line 15 as follows:

~~According to~~ Accordingly, the invention this objective is achieved by provides
~~a method according to claim 1~~ a method for determining a state-of-charge of a battery,
comprising the steps of evaluating a transition frequency of an impedance for a battery,
which is excited by an alternating current, and assigning the transition frequency to the state-
of-charge of the battery, wherein the transition frequency is a frequency of the alternating
current at which the imaginary part of the impedance of the battery vanishes.

At page 5, please amend the paragraph beginning at line 18 as follows:

Further, ~~this objective is achieved according to the invention by~~ provides a device ~~according to claim 14 for determining a state-of-charge of a battery, comprising an element for determining a transition frequency of an impedance of a battery, which is excited by an alternating current, and a calculation unit for assigning of the transition frequency to the state-of-charge of the battery, where the transition frequency is a frequency of the alternating current at which the imaginary part of the impedance of the battery vanishes.~~

At page 5, please amend the paragraph beginning at line 21 as follows:

~~Practical refinements of the method and the device are subject matter of the subordinate claims.~~

At page 5, please amend the paragraph beginning at line 21 as follows:

It is particularly ~~provided~~ preferable to determine a transition frequency of an impedance of a battery excited by an alternating current signal, and the transition frequency is associated with the battery state-of-charge. The transition frequency is the frequency at which the impedance diagram crosses the real axis. Since the impedance imaginary part changes its algebraic sign at this frequency value, this parameter is hereafter labeled f_{\pm} .

At page 6, please amend the paragraph beginning at line 23 as follows:

It is, however, also ~~planned~~ suitable to connect the battery to an alternating current source, for the case the alternating current signals existing in the power net, whose frequency lies in the frequency range of the transition frequency, do not possess sufficiently high amplitudes.

At page 10, please amend the heading at line 13 as follows:

Brief Description of the Drawings

At page 11, line 13, please insert the following heading:

Detailed Description